Assignment No. 5 Rubric

EECS 210 – Discrete Structures

Due: 11:59 PM, Thursday, October 26, 2023

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# Point Breakdown

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| ***Graded Value*** | ***Points Possible*** | ***Criteria*** |
|  | 1 | Name of the zip file: FirstnameLastname\_Assignment5 (with your first and last name) Files in other formats (e.g., .tar will not be graded). |
|  | 1 | Name of the Assignment folder within the zip file: FirstnameLastname\_Assignment5 |
|  | 1 | Copy of Rubric 5.docx with your name and ID filled out |
|  | 1 | Source code for Assignment 5 |
|  | 1 | Screen print showing the successful execution of your code or copy and paste the output from a console screen to a Word document and PDF it. |
|  | 3 | Output for 1a is correct and was not hardcoded. |
|  | 3 | Output for 1b is correct and was not hardcoded. |
|  | 3 | Output for 1c is correct and was not hardcoded. |
|  | 3 | Output for 1d is correct and was not hardcoded. |
|  | 3 | Output for 1e is correct and was not hardcoded. |
|  | 3 | Output for 1f is correct and was not hardcoded. |
|  | 3 | Output for 1g is correct and was not hardcoded. |
|  | 3 | Output for 1h is correct and was not hardcoded. |
|  | 3 | Output for 1i is correct and was not hardcoded. |
|  | 3 | Output for 2a is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 2b is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 2c is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 2d is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 2e is correct and was calculated using the Euclidean Algorithm. |
|  | 2 | Output for 3a is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 3b is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 3c is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 3d is correct and was calculated using the Euclidean Algorithm. |
|  | 3 | Output for 3e is correct and was calculated using the Euclidean Algorithm. |
|  | 2 | Output for 4a is correct and was calculated using the extended Euclidean Algorithm. |
|  | 3 | Output for 4b is correct and was calculated using the extended Euclidean Algorithm. |
|  | 3 | Output for 4c is correct and was calculated using the extended Euclidean Algorithm. |
|  | 3 | Output for 4d is correct and was calculated using the extended Euclidean Algorithm. |
|  | 3 | Output for 4e is correct and was calculated using the extended Euclidean Algorithm. |
|  | 25 | Code is adequately commented\*. |
|  | **100 pts** |  |

|  |  |  |
| --- | --- | --- |
| **Rubric for Program Comments\*** | | |
| **Exceeds Expectations**  **(90-100%)** | **Meets Expectations**  **(80-89%)** | **Unsatisfactory**  **(0-79%)** |
| Software is adequately commented with prologue comments, comments summarizing major blocks of code, and comments on every line. | Prologue comments are present but missing some items or some major blocks of code are not commented or there are inadequate comments on each line. | Prologue comments are missing all together or there are no comments on major blocks of code or there are very few comments on each line. |

Adequate Prologue Comments:

* Name of program contained in the file (e.g., EECS 210 Assignment 3)
* Brief description of the program, e.g.:
  + Python code for demonstrating operations on relations and properties of relations.
* Inputs (e.g., none, for a function, it would be the parameters passed to it)
* Output, e.g.,
  + Print out of the name of each exercise, followed by the exercise’s output.
* Author’s full name
* Creation date: The date you first create the file, i.e., the date you write this comment

Adequate comments summarizing major blocks of code and comments on every line:

* Provide comments that explain what each line of code is doing.
* You may comment each line of code (e.g., using //) and/or provide a multi-line comment (e.g., using /\* and \*/) that explains what a group of lines does.
* Multi-line comments should be detailed enough that it is clear what each line of code is doing.

# Grader Comments: